

ASTM A387 Grade 5 Class 1 Steel Plate

ASTM A387 Grade 5 Class 1 Steel Plate is a **chromium-molybdenum (Cr-Mo) alloy steel** mainly used for **high-temperature pressure vessels and boilers**.



Sai Steel & Engineering Co.

(An ISO 9001:2008 Certified Company)

Sai Steel & Engineering Co. may be a suppliers of ASTM A 387 Grade 5 Class 2 Plates, which is broadcast worldwide. we've passed ISO 9001:2008 certification and supply ASTM A 387 Grade 5 Class 2 Plates audited ASTM A 387 Grade 5 Class 2 Plates for giant companies. Declare the standard standards of the appliance.



Website: <https://www.saisteelengg.com/chrome-moly-astm-a387-grade5-class2-steel-plates-suppliers-stockists-importers-distributors-exporters-mumbai-india.html>

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INTRODUCTION

ASTM A387 Grade 5 Class 1 steel plate is a **chromium-molybdenum (Cr-Mo) alloy steel** specifically developed for use in **high-temperature and high-pressure environments**. It is widely used in industries where materials must maintain **strength, durability, and resistance to heat and corrosion** over long periods.

This grade of steel is manufactured according to **ASTM International** standards, ensuring consistent quality and performance. The addition of **chromium** improves oxidation and corrosion resistance, while **molybdenum** enhances strength and creep resistance at elevated temperatures.

Class 1 represents the **standard strength level**, making it suitable for general applications in **pressure vessels, boilers, and heat exchangers** operating under moderate to high temperatures.

Overall, ASTM A387 Grade 5 Class 1 steel plate is an **essential engineering material** in industries such as **power generation, petrochemical, and oil & gas**, where safety, reliability, and performance are critical.

What is sa 387 grade 5 class 2 Steel Plate ?

Suitable for gatherings of experienced and qualified professionals and using the newest advertising materials. All ASTM A 387 Grade 5 Class 2 Plates aren't only available available , but can also be dig various sizes and shapes to point out your creativity and wishes.

Our quality system monitors the plan and every one work. this technique seamlessly verifies and continuously evaluates our sa 387 audit level 5 2 steel plates, which come from the foremost important quality steel producers within the world, and every of our suppliers Similarly, these manufacturers are selected and marked by our security meeting. Stainless steel plates in steel tanks specially designed for top temperature welding. The doped molybdenum makes the fabric harder at the specified temperature, while chromium has better wear resistance. ASTM A 387 Grade 5 Class 2 Plates is a tremendous chromium-molybdenum composite plate, especially recommended for high-temperature welding steel storage tanks. The material's most vital ability to adapt to temperature

and chromium improves the utilization of obstacles. **Sai Steel & Engineering Co.** provides ASTM A 387 Grade 5 Class 2 Plates.

Equivalents:

BS	EN	ASTM/ASME	DIN
...	...	SA387-5-2	...

SA 387 grade 5 class 2 Steel Plate Grade and Specification

- ASTM A387 Grade 5 Class 2, Grade 9 Class 2, Grade 11 Class 2, Grade 12 Class 2, Grade 22 Class 2, Grade 91 Class 2.
- ASME SA387 Grade 5 Class 2, Grade 9 Class 2, Grade 11 Class 2, Grade 12 Class 2, Grade 22 Class 2, Grade 91 Class 2.
- EN 10028:16Mo3, 13CrMo45, 10CrMo910
- BS 1501:620B, 621B, 622B

Chromium & Molybdenum content (according to the ASME specification):

Designation	Nominal Chromium Content (%)	Nominal Molybdenum Content (%)
SA387 Grade 5	5.00%	0.50%

SA 387 grade 5 class 2 Steel Plate Properties

Chemical Properties Of sa 387 grade 5 class 2 Steel Plate

Element		Chemical Composition (%)
		SA 387 Grade 5
Carbon:	Heat Analysis:	0.15 max
	Product Analysis:	0.15 max
Manganese:	Heat Analysis:	0.30 - 0.60
	Product Analysis:	0.25 - 0.66
Phosphorus:	Heat Analysis:	0.035
	Product	0.035

	Analysis:	
Sulphur (max):	Heat Analysis:	0.030
	Product Analysis:	0.030
Silicon:	Heat Analysis:	0.50 max
	Product Analysis:	0.55 max
Chromium:	Heat Analysis:	4.00 – 6.00
	Product Analysis:	3.90 – 6.10
Molybdenum :	Heat Analysis:	0.45 – 0.65
	Product Analysis:	0.40 – 0.70

Mechanical Properties Of sa 387 grade 5 class 2 Steel Plate

Designation:	Requirement:	Grade 5
SA387 Grade 5	Tensile strength, ksi [MPa]	75 to 100 [515 to 690]
	Yield strength, min, ksi [MPa]/(0.2% offset)	45 [310]
	Elongation in 8 in. [200mm], min %	...
	Elongation in 2 in. [50mm], min, %	18
	Reduction of area, min %	45 (measured on round specimen)40 (measured on flat specimen)

Chrome Moly Steel Plate Stock

- SA 387 Chrome Moly Steel
- BS 1501 Chrome Moly Steel

- EN-10028-2 Chrome Moly Steel

Fundamental Application of sa 387 outline 5 class 2 Steel Plate

- boilers and pressure vessels,
- Warmth exchangers
- Ribs, fittings and valves
- ducting and pipe supports

SA 387 grade 5 class 2 Steel Plate Packing & Shipping

Each ask for is packaged by the customer' s models including getting ready for charge, for instance, wooden case, bed or as appeared by customer's essential All transportation documentation is suited sa 387 outline 5 class 2 Steel Plate advancement from plant to customer.

Each undertaking begins with a visit of our proficient plans overseer who looks at the volume/weight of the having a place and brief the client about pulverizing required what's more extraordinary documentation traditions while moving from India.

SA 387 examination 5 class 2 Steel Plate Application Industries

Sai Steel & Engineering Co. Inc.offer a broad level of sa 387 audit 5 class 2 Steel Plate through a general game-plan of stock-keeping branches.these sa 387 investigation 5 class 2 Steel Plate is use in various endeavors like:

- Squander items Industry
- Plane business
- Nuclear Power Plant Industry
- Substance Industry
- Oil & Gas Industry
- Refineries Industry
- Petrochemical Industry
- Paper Industry

Sai Steel & Engineering Co.Alloys inc is largest suppliers of sa 387 grade 5 class 2 Steel Plate. we are supplying sa 387 grade 5 class 2 Steel Plate in Saudi arabia, Kuwait, Qatar, Oman, Yemen, UAE, Iran, Turkey, Kazakhstan, Greece, Singapore, Thailand, Indonesia, Vietnam, South Africa,South

America,Brazil, India, Australia, Egypt.we assured our client that we are standing behind our product which we have supplied as well as we issued a quality certificate along with our product which we manufacture supplies and exports

Domestic Area

Mumbai	Ahmedabad	Bhopal	Bikaner	Pune
Delhi	Chennai	Visakhapatnam	Mangalore	Nagpur
Bangalore	Kolkata	Siliguri	Assam	Indore
Hyderabad	Surat	Nashik	Cochin	Thane
Faridabad	Rajkot	Aurangabad	Bhavnagar	Ranchi
Coimbatore	Mysore	Salem	Tirupur	Bikaner
Raipur	Bhubaneswar	Bhilai	Ankleshwar	Bhiwandi
Vadodra	Kochi			

Our Export

Eastern Europe	Asia	North America	Western Europe	Mid East/Africa
Australasia	Central/South	UAE	America	Portugal
Spain	Indonesia	Italy	Angola	Poland
Brazil	Sri Lanka	Russia	Chile	Singapore
Oman	Venezuela	Costa Rica	USA	Qatar
Thailand	Canada	Saudi Arabia	Bahrain	Egypt
Malaysia	Turkey	Mexico	Chine	Peru
United States	Nigeria	Jordan	Kuwait	Dubai
Bangkok	Iran	Germany	UK	New Zealand
Vietnam	South Africa	Mexico	Kazakhstan	

Contact Information

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Export Regions:

India| Middle East | Europe | Africa | North America